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REMARKS

Claims 1, 5-11, and 15-44 are pending in the instant application. Of these, claims 43 and 44 are being added.

Applicant requests entry of the added claims, which are fully supported by the Specification and original claims and add no new matter. For example, added claims 43 and 44 are supported at page 4, paragraph 15, of the originally-filed Specification, which states that the cathode can comprise a metal in one example. Page 6, paragraph 21, of the originally-filed Specification, states that the cathode comprises a beam-receiving portion. Therefore, the beam-receiving portion is disclosed to comprise metal in one example.

Claims 43 and 44 are believed to be allowable because none of the cited references teach directing an electromagnetic radiation beam onto a beam-receiving portion of a cathode, the beam-receiving portion comprising metal. For example, Smith et al. teaches at Column 9, lines 5-8, that an electron beam generator may include a photocathode. However, a photocathode, such as the one disclosed by Smith et al., receives a light beam into a transparent window, such as made of sapphire. This transparent window does not comprise metal. Thus, claims 43 and 44 are believed to be allowable.

Reconsideration and allowance of the present claims in view of the remarks herein is requested.

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CONCLUSION

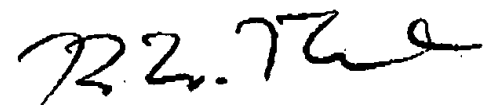
The above-discussed amendments and remarks are believed to place the present application in condition for allowance. Should the Examiner have any questions regarding the above remarks, the Examiner is requested to telephone Applicant's representative at the number listed below.

Respectfully submitted,

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Date: June 18, 2003

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